



PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Express Mail No. EV554216114US

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Sheet 1 of 9

**Complete If Known**

Application Number	10/764,741
Filing Date	January 26, 2004
First Named Inventor	Michael Ehrhart
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	283-300 Con2

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	U.S. Publication No. 2002/0170970 A1/ U.S. Patent Application No. 10/143,158 (Copy of February 27, 2004 Office Action attached)	Publication Date: 11- 21-2002 Filing Date: May 10, 2002	Michael Ehrhart	
	AB	U.S. Patent Application No. 10/143,158 filed May 10, 2002. (Copy of December 28, 2004 Office Action attached)	Filed 05-10-2002	Michael Ehrhart	
	AC	U.S. Patent Application No. 10/958,779 filed October 5, 2004.	Filed 10-05-2004	Ynjun Wang	
	AD	U.S. Patent Application No. 11/174,447 filed June 30, 2005.	Filed 06-30-2005	Ynjun Wang	
	AE	US-2001/0055422 A1	12-27-2001	Roustael	
	AF	US-2002/0039099 A1	04-04-2002	Harper	
	AG	US-2002/0171745	11-21-2002	Michael Ehrhart	
	AH	US-3,684,868	08-15-1972	Christie et al.	
	AI	US-3,801,775	04-02-1974	Acker	
	AJ	US-3,902,047	08-26-1975	Tyler et al.	
	AK	US-4,020,463	04-26-1977	Himmel	
	AL	US-4,266,255	08-25-1981	Siy	
	AM	US-4,335,303	06-15-1982	Call	
	AN	US-4,387,298	06-07-1983	Petersen et al.	
	AO	US-4,499,372	02-12-1985	Nakano	
	AP	US-4,530,584	07-23-1985	Schmidt	
	AQ	US-4,544,064	10-01-1985	Felder	
	AR	US-4,562,592	12-31-1985	Chainer et al.	
	AS	US-4,588,211	05-13-1986	Greene	
	AT	US-4,581,762	04-08-1986	Lapidus et al.	
	AU	US-4,656,591	04-07-1987	Goldberg	
	AV	US-4,760,248	07-26-1988	Swartz, et al.	
	AW	US-4,776,464	10-11-1988	Miller et al.	
	AX	US-4,794,239	12-27-1988	Allais	
	AY	US-4,832,204	05-23-1989	Handy et al.	
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	BB	US-4,858,000	08-15-1989	Lu	
	BC	US-4,868,757	09-18-1989	Gil	

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		Number Kind Code <sup>2</sup> (if known)			
	BD	US-4,873,426	10-10-1989	Sama et al.	
	BE	US-4,877,948	10-31-1989	Krueger	
	BF	US-4,877,949	10-31-1989	Danielson et al.	
	BG	US-4,924,078	05-08-1990	Sant' Anselmo et al.	
	BH	US-4,948,955	08-14-1990	Lee et al.	
	BI	US-4,972,494	11-20-1990	White et al.	
	BJ	US-4,983,818	01-08-1991	Knowles, Carl H.	
	BK	US-5,010,241	04-23-1991	Butterworth	
	BL	US-5,019,699	05-28-1991	Koenck	
	BM	US-5,038,391	08-06-1991	Yamaguchi	
	BN	US-5,039,847	08-13-1991	Morii et al.	
	BO	US-5,043,908	08-27-1991	Manduley et al.	
	BP	US-5,050,223	09-17-1991	Sumi	
	BQ	US-5,054,102	10-01-1991	Gaborski	
	BR	US-5,102,110	04-07-1992	Reynolds	
	BS	US-5,103,489	04-07-1992	Miette	
	BT	US-5,119,433	08-02-1992	Will	
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	BV	US-5,134,669	07-28-1992	Keogh et al.	
	BW	US-5,138,140	08-11-1992	Siemiakowski et al.	
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	BY	US-5,180,904	01-19-1993	Shepard et al.	
	BZ	US-5,199,081	03-30-1993	Saito et al.	
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	CB	US-5,212,777	05-18-1993	Gove et al.	
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	CD	US-5,237,625	08-17-1993	Yamashita et al.	
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	CH	US-5,282,871	11-16-1993	Wilder et al.	
	CI	US-5,278,399	01-11-1994	Sano	
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	CM	US-5,296,960	03-22-1994	Ellingson et al.	

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Jee	CN	US-5,299,116	03-29-1994	Owens et al.	
	CO	US-5,301,243	04-05-1994	Olschafskie et al.	
	CP	US-5,304,423	04-19-1994	Niknafs et al.	
	CQ	US-5,304,788	04-19-1994	Pavidis et al.	
	CR	US-5,305,122	04-19-1994	Hayashi et al.	
	CS	US-5,307,423	04-26-1994	Gupta et al.	
	CT	US-5,313,051	05-17-1994	Brigida et al.	
	CU	US-5,317,388	05-31-1994	Surka et al.	
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	CX	US-5,337,361	08-09-1994	Wang et al.	
	CY	US-5,354,977	10-11-1994	Roustael	
	CZ	US-5,365,048	11-15-1994	Komiya et al.	
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	DL	US-5,422,470	06-06-1995	Mitsunori Kubo	
	DM	US-5,428,211	06-27-1995	Zheng et al.	
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	DV	US-5,498,992	03-05-1996	Madan et al.	
Le	DW	US-5,504,322	04-02-1996	Pavidis et al.	

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		Number	Kind Code <sup>2</sup> (if known)			
✓	DX	US-5,504,387		04-02-1998	Arackellian et al.	
	DY	US-5,508,697		04-09-1998	Li et al.	
	DZ	US-5,508,818		04-16-1998	Hamma	
	EA	US-5,513,017		04-30-1998	Knodt et al.	
	EB	US-5,513,264		04-30-1998	Wang et al.	
	EC	US-5,521,368		05-28-1998	Wang et al.	
	ED	US-5,550,364		08-27-1998	Rudeen	
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	EF	US-5,557,091		09-17-1998	Krummel	
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	EI	US-5,570,135		10-29-1998	Gove et al.	
	EJ	US-5,574,519		11-12-1998	Manico et al.	
	EK	US-5,581,638		12-03-1998	Skinger	
	EL	US-5,591,955		01-07-1997	Laser	
	EM	US-5,591,956		01-07-1997	Longacre, Jr. et al.	
	EN	US-5,598,007		01-28-1997	Bunce et al.	
	EO	US-5,602,382		02-11-1997	Uhr et al.	
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	EQ	US-5,617,481		04-01-1997	Nakamura	
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	ES	US-5,635,694		06-03-1997	Tuhro	
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	FG	US-5,708,515		01-13-1998	Nishiura	

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	FH	US-5,710,419	01-20-1998	Wang et al.	
	FI	US-5,714,745	02-03-1998	Ju et al.	
	FJ	US-5,723,868	03-03-1998	Hammond Jr. et al.	
	FK	US-5,726,981	03-10-1998	Ylivero et al.	
	FL	US-5,734,153	03-31-1998	Swartz et al.	
	FM	US-5,756,981	05-26-1998	Roustael et al.	
	FN	US-5,760,382	06-02-1998	Li et al.	
	FO	US-5,761,686	06-02-1998	Bloomberg	
	FP	US-5,770,841	06-23-1998	Moed et al.	
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	FT	US-5,783,811	07-21-1998	Feng et al.	
	FU	US-5,786,586	07-28-1998	Pidhirny et al.	
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	FX	US-5,801,371	09-01-1998	Kahn et al.	
	FY	US-5,818,028	10-06-1998	Meyerson et al.	
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	GA	US-5,818,028 A	10-06-1998	Telxon Corporation	
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	GC	US-5,821,518	10-13-1998	Sussmeier et al.	
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	GH	US-5,841,121	11-24-1998	Koenck	
	GI	US-5,844,227	12-01-1998	Schmidt et al.	
	GJ	US-5,857,029	01-05-1999	Patel	
	GK	US-5,867,595	02-02-1999	Cymbalski	
	GL	US-5,880,453	03-09-1999	Wang et al.	
	GM	US-5,886,338	03-23-1999	Arackellian et al.	
	GN	US-5,892,824	04-06-1999	Beatson et al.	
	GO	US-5,914,476	06-22-1999	Gerst, III et al.	
	GP	US-5,917,925	06-28-1999	Moore	
	GQ	US-5,917,945	06-29-1999	Cymbalski	

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	GS	US-5,929,418		07-27-1999	Ehrhart et al.	
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	GU	US-5,942,743		08-24-999	Schmidt et al.	
	GV	US-5,945,661		08-31-1999	Nukui et al.	
	GW	US-5,949,052		09-07-1999	Longacre, Jr. et al.	
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	GY	US-5,949,057		09-07-1999	Feng	
	GZ	US-5,965,863		01-18-2000	Parker et al.	
	HA	US-5,965,863		10-12-1999	Welch Allyn, Inc.	
	HB	US-5,974,202		10-26-1999	Wang et al.	
	HC	US-5,990,744		11-23-1999	Nagaraj	
	HD	US-5,992,744		11-30-1999	Smith et al.	
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	HF	US-6,000,612		12-14-1999	Xu	
	HG	US-6,002,491		12-14-1999	Li et al.	
	HH	US-6,011,873		01-04-2000	Desai et al.	
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	HN	US-6,036,095		03-04-2000	Shuzo Seo	
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Sheet 7 of 9

**Complete If Known**

Application Number	10/764,741
Filing Date	January 26, 2004
First Named Inventor	Michael Ehrhart
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	283-300 Con2

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	IC	US-6,122,410	09-19-2000	Zheng et al.	
	ID	US-6,123,261	09-26-2000	Roustael	
	IE	US-6,129,278	10-10-2000	Wang et al.	
	IF	US-6,133,951	10-17-2000	Miyadera	
	IG	US-6,149,063	11-21-2000	Reynolds et al.	
	IH	US-6,157,027	12-05-2000	Watanabe et al.	
	II	US-6,189,796	02-20-2001	Itoh et al.	
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Sheet 8 of 9

**Complete If Known**

Application Number	10764,741
Filing Date	January 26, 2004
First Named Inventor	Michael Ehrhart
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	283-300 Con2

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
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	JP	US-6,851,060	11-18-2003	Harper et al.	
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Sheet 9 of 9

**Complete If Known**

Application Number	10/764,741
Filing Date	January 26, 2004
First Named Inventor	Michael Ehrhart
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	283-300 Con2

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
[Signature]	KM	JP	83-311474 (w/English translation of Abstract)		12-20-1988	Iguma Haruhiko		
	KN	JP	01-216486 (w/English translation of Abstract)		08-30-1989	Miyake Noriyuki		
[Signature]	KO	EP	0 350 933	A2	01-17-1990	Matsushita Electric Industrial Co., Ltd.		
	KP	EP	0 392 159	A2	10-17-1990	Muroya Masami		
[Signature]	KQ	JP	03-020058 (w/English translation of Abstract)		01-29-1991	Okino Mashahide		
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[Signature]	KS	WO	92/02371		02-20-1992	Sean O'Brien		
	KT	JP	4257844 (w/English translation of Abstract)		09-14-1992	Kimura Yoichi		
[Signature]	KU	WO	92/17861		10-15-1992	Gil Asher		
	KV	JP	06-250775 (w/English translation of Abstract)		09-09-1994	Sano Shigeaki		
[Signature]	KW	WO	95/13196		05-18-1995	Jack Soules		
	KX	WO	95/24278		09-14-1995	Aviad Zlotnick		
[Signature]	KY	WO	95/34043		12-14-1995	United Parcel Service of America, Inc.		
	KZ	EP	0 733 991	A2	09-25-1996	Symbol Technologies, Inc.		
[Signature]	LA	WO	96/39876		12-12-1996	Mark Patel		
	LB	WO	97/08647		03-06-1997	PSC, Inc.		
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	LD	EP	0 910 032	A2	04-21-1999	Welch Allyn, Inc.		
[Signature]	LE	WO	99/50736		10-07-1999	Xerox Corporation		
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[Signature]	LG	EP	0 998 147	A1	05-03-2000	Hitachi, Ltd.		
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[Signature]	LI	WO	00/72246	A1	11-30-2000	Silver-Brook Research Pty Ltd.		
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[Signature]	LO	WO	2004/064382	A1	07-28-2004	Symbol Technologies, Inc.		

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**Complete if Known**

Application Number

10/784,741

Filing Date

January 26, 2004

First Named Inventor

Michael Ehrhart

Art Unit

2876

Examiner Name

Le, Thien Minh

Attorney Docket Number

283-300 Con2

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LM	LP	GONZALEZ; WOODS, "Digital Image Processing," Library of Congress, 10 pg. article, pages 416- 425 and pages 452-457; Copyright 1992 by Addison Wesley Publishing Company, Inc.	
LM	LQ	International Search Report for International Patent Application No. PCT/US02/15085 dated February 12, 2002.	

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